

### Amendments To the Claims

Claims 1-3 (Cancelled)

Claim 4 (Currently amended):       The pharmaceutical composition of claim ~~[[1]]~~ 5 wherein the organic phenolic compound is selected from isopropyl-o-cresol, isopropyl-cresol and combinations thereof.

Claim 5 (Currently amended):       The A pharmaceutical composition for treating an infection in an animal ~~of claim 1~~ comprising:

- (a)     at least one antimicrobial compound comprising an organic phenolic compound reacted with ~~wherein one of the~~ at least one Group I salt is a Group I hydroxide base; and
- (b)     a pharmaceutically acceptable carrier for parenteral administration.

Claim 6 (Currently amended):       The pharmaceutical composition of claim 5 wherein the Group I hydroxide base is selected from sodium hydroxide, potassium hydroxide and combinations thereof.

Claim 7 (Currently amended):       The A pharmaceutical composition ~~of claim 1~~ comprising:

- (a)     at least one antimicrobial compound comprising ~~wherein the antimicrobial compound comprises~~ isopropyl-o-cresol and isopropyl-cresol chemically reacted with sodium hydroxide and potassium hydroxide; and
- (b)     a pharmaceutically acceptable carrier for parenteral administration.

Claim 8 (Currently amended): The pharmaceutical composition of claim [[1]] 5 comprising from ~~0.1wt%~~ 0.1% by weight of the pharmaceutical composition to ~~15wt%~~ 15% by weight of the pharmaceutical composition of antimicrobial compound.

Claim 9 (Currently amended): The pharmaceutical composition of claim [[1]] 8 ~~comprising from 0.1wt% of the pharmaceutical composition to 15wt% of the pharmaceutical composition of antimicrobial compound,~~ wherein the pharmaceutically acceptable carrier is suitable for subcutaneous, intradermal, or intramuscular administration.

Claim 10 (Currently amended): The pharmaceutical composition of claim [[1]] 5 comprising from ~~3.5wt%~~ 3.5% by weight of the pharmaceutical composition to ~~10wt%~~ 10% by weight of the pharmaceutical composition of antimicrobial compound, wherein the pharmaceutically acceptable carrier comprises a vegetable oil.

Claim 11 (Original): The pharmaceutical composition of claim 10 wherein the pharmaceutically acceptable carrier comprises olive oil.

Claim 12 (Currently amended): The pharmaceutical composition of claim [[1]] 5 comprising from ~~0.1wt%~~ 0.1% by weight of the pharmaceutical composition to ~~1.0wt%~~ 1.0% by weight of the pharmaceutical composition of antimicrobial compound, wherein the pharmaceutically acceptable carrier is suitable for intravenous administration.

Claim 13 (Currently amended): The pharmaceutical composition of claim 12 comprising from ~~0.5wt%~~ 0.5% by weight of the pharmaceutical composition to ~~0.8wt%~~ 0.8% by weight of the pharmaceutical composition of antimicrobial compound, wherein the pharmaceutically acceptable carrier comprises ~~0.5wt%~~ 0.5% by weight of the pharmaceutically acceptable carrier to ~~1.0wt%~~ 1.0% by weight of the pharmaceutically acceptable carrier of sodium chloride.

Claim 14 (Currently amended):      ~~The A pharmaceutical composition comprising: of claim 4~~

~~(a)      at least one antimicrobial compound, comprising wherein the antimicrobial compound comprises isopropyl-o-cresol and isopropyl cresol and wherein there is more isopropyl-o-cresol than isopropyl cresol reacted with at least one Group I salt; and~~

~~(b)      a pharmaceutically acceptable carrier for parenteral administration.~~

Claim 15 (Currently amended):      ~~The A pharmaceutical composition comprising: of claim 1~~

~~(a)      wherein the antimicrobial compound comprises between 55wt% 55% by weight of the antimicrobial compound and 99wt% 99% by weight of an the antimicrobial compound comprising of isopropyl-o-cresol or base reacted isopropyl-o-cresol; and~~

~~(b)      between 1wt% 1% by weight of the antimicrobial compound and 45wt% 45% by weight of an the antimicrobial compound comprising of isopropyl cresol or base reacted isopropyl cresol.~~

Claim 16 (Currently amended):      The pharmaceutical composition of claim [[1]] 15 wherein the composition antimicrobial compound comprises:

~~(a)      between 75wt% of the antimicrobial compound 75% by weight and 99wt% of the antimicrobial compound 99% by weight of isopropyl-o-cresol or base reacted isopropyl-o-cresol; and~~

~~(b)      between 1wt% of the antimicrobial compound 1% by weight and 25wt% of the antimicrobial compound 25% by weight of isopropyl cresol or base reacted isopropyl cresol.~~

Claim 17 (Currently amended):      The pharmaceutical composition of claim [[1]] 15 wherein the composition antimicrobial compound comprises

(a) between ~~90wt% of the antimicrobial compound~~ 90% by weight and ~~99wt% of the antimicrobial compound~~ 99% by weight of isopropyl-o-cresol or base reacted isopropyl-o-cresol; and

(b) between ~~1wt% of the antimicrobial compound~~ 1% by weight and ~~10wt% of the antimicrobial compound~~ 10% by weight of isopropyl cresol or base reacted isopropyl cresol.

Claim 18 (Currently amended): The pharmaceutical composition of claim ~~[[1]]~~ 15 wherein the composition antimicrobial compound comprises:

(a) between ~~95wt% of the antimicrobial compound~~ 95% by weight and ~~99wt% of the antimicrobial compound~~ 99% by weight of isopropyl-o-cresol or base reacted isopropyl-o-cresol; and

(b) between ~~1wt% of the antimicrobial compound~~ 1% by weight and ~~5wt% of the antimicrobial compound~~ 5% by weight of isopropyl cresol or base reacted isopropyl cresol.

Claim 19 (Currently amended): The pharmaceutical composition of claim ~~[[1]]~~ 5 wherein the animal is selected from humans, horses, cows, pigs, sheep, goats, rabbits, dogs, cats, chickens, turkeys, ducks and birds.

Claim 20 (Currently amended): The pharmaceutical composition of claim ~~[[1]]~~ 15 wherein the infection comprises infection by *E. coli*, *Salmonella* spp, *Pasteurella* spp., *Staphylococcus* spp., *Streptococcus* spp., *Corinebacterium* spp., *Bacillus* spp., *Clostridium* spp., *Spherophorus* spp., *Candida* spp., *Trychophyton* spp., *Microsporium* spp., *Micobacterium* spp., *Cryptosporidia* spp., *Microsporidia* spp., *Listeria monocytogenes*, *Lawsonia intracellularis*, *Treponema desynteriae*, *Enterococcus* spp., *Heamophylus* spp., *Campylobacter* spp., *Chlamydia*, *Brucella* spp., or *Vibrio* spp.

Claims 21-36 (Cancelled)

Claim 37 (New): The pharmaceutical composition of claim 7, comprising from 0.1% by weight of the pharmaceutical composition to 15% by weight of the pharmaceutical composition of antimicrobial compound.

Claim 38 (New): The pharmaceutical composition of claim 37, wherein the pharmaceutically acceptable carrier is suitable for subcutaneous, intradermal, or intramuscular administration.

Claim 39 (New): The pharmaceutical composition of claim 7, comprising from 3.5% by weight of the pharmaceutical composition to 10% by weight of the pharmaceutical composition of antimicrobial compound, wherein the pharmaceutically acceptable carrier comprises a vegetable oil.

Claim 40 (New): The pharmaceutical composition of claim 39, wherein the pharmaceutically acceptable carrier comprises olive oil.

Claim 41 (New): The pharmaceutical composition of claim 7 comprising from 0.1% by weight of the pharmaceutical composition to 1.0% by weight of the pharmaceutical composition of antimicrobial compound, wherein the pharmaceutically acceptable carrier is suitable for intravenous administration.

Claim 42 (New): The pharmaceutical composition of claim 7 comprising from 0.5% by weight of the pharmaceutical composition to 0.8% by weight of the pharmaceutical composition of antimicrobial compound, wherein the pharmaceutically acceptable carrier comprises 0.5% by weight of the pharmaceutically acceptable carrier to 1.0% by weight of the pharmaceutically acceptable carrier of sodium chloride.

Claim 43 (New):      The pharmaceutical composition of claim 12 wherein the infection comprises infection by *E. coli*, *Salmonella* spp, *Pasteurella* spp., *Staphylococcus* spp., *Streptococcus* spp., *Corinebacterium* spp., *Bacillus* spp., *Clostridium* spp., *Spherophorus* spp., *Candida* spp., *Trychophyton* spp., *Microsporum* spp., *Micobacterium* spp., *Cryptosporidia* spp., *Microsporidia* spp., *Listeria monocytogenes*, *Lawsonia intracellularis*, *Treponema desynteriae*, *Enterococcus* spp., *Heamophilus* spp., *Campylobacter* spp., *Chlamydia*, *Brucella* spp., or *Vibrio* spp.